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(11) **EP 1 013 414 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
26.07.2000 Bulletin 2000/30

(51) Int. Cl.<sup>7</sup>: **B32B 27/12, B32B 7/12,  
B32B 3/24, B32B 31/30,  
B60R 13/02**

(43) Date of publication A2:  
28.06.2000 Bulletin 2000/26

(21) Application number: **99122709.1**

(22) Date of filing: **15.11.1999**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

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(30) Priority: **21.12.1998 US 217181**

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(54) **Encapsulated self adhering acoustic mat for sandwich used in vehicle interior systems**

(57) A reinforcing mat for use in vehicle trim panels, such as a headliner or roof liner, comprising a fiber layer, first and second polymer layers on each side of the fiber layer encapsulating the fibers and an adhesive layer on at least one outer surface of the first and second polymer layers. The resulting mat is perforated or apertured in either a random or non-random fashion to provide an open mat. A method of manufacturing the mat is provided in which the polymer layers are extruded onto the fiber layer and at least one adhesive outer layer is co-extruded with one of the polymer layers. After the polymer and adhesive layers are extruded, the mat is perforated either by a punch roller or a vacuum roller which displaces the polymer and adhesive from the spaces between the fibers.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 99 12 2709

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B60R B32B
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>31 May 2000</b>	Examiner <b>Stinchcombe, J</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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31-05-2000

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